

Title (en)
PROCESSING TOMOGRAPHIC DATA

Publication
EP 0318293 A3 19910206 (EN)

Application
EP 88311145 A 19881124

Priority
US 12542687 A 19871125

Abstract (en)
[origin: EP0318293A2] Three-dimensional objects within a tomographic data-base are extracted for viewing by comparing the tomographic data to a predetermined threshold or range defining the object boundaries. A surface extraction method is structured so as to allow for several vector operations, thus adapting the method for implementation using an array processor.

IPC 1-7
G06F 15/62

IPC 8 full level
A61B 5/055 (2006.01); **A61B 6/03** (2006.01); **A61B 8/14** (2006.01); **G01N 23/04** (2006.01); **G01N 29/06** (2006.01); **G01R 33/32** (2006.01); **G06T 1/00** (2006.01); **G06T 1/20** (2006.01); **G06T 15/00** (2006.01); **G06T 15/08** (2011.01); **G06T 17/00** (2006.01)

CPC (source: EP US)
G06T 1/20 (2013.01 - EP US); **G06T 17/00** (2013.01 - EP US); **G06T 17/005** (2013.01 - EP US)

Citation (search report)
• [YP] US 4751643 A 19880614 - LORENSEN WILLIAM E [US], et al
• [YD] EP 0216156 A2 19870401 - GEN ELECTRIC [US]
• [A] EP 0182237 A2 19860528 - GEN ELECTRIC [US]
• [A] PROCEEDINGS OF THE 7TH ANNUAL CONFERENCE OF THE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, Chicago, 27th - 30th September 1985, vol. 1, pages 612-615, IEEE, New York, US; D.J. MEAGHER: "The application of octree techniques to 3-D medical imaging"

Cited by
GB2246689A

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0318293 A2 19890531; **EP 0318293 A3 19910206**; **EP 0318293 B1 19960131**; DE 3854960 D1 19960314; DE 3854960 T2 19960912; IL 87964 A0 19890331; IL 87964 A 19920525; JP H021082 A 19900105; JP H0697465 B2 19941130; US 4868748 A 19890919

DOCDB simple family (application)
EP 88311145 A 19881124; DE 3854960 T 19881124; IL 8796488 A 19881007; JP 28905588 A 19881117; US 12542687 A 19871125